Series SF Sight Flow Transmitter integrates tangential turbine technology with hermetically sealed circuitry to provide accurate flow measurement and control in the harshest environments. The 2-wire loop-powered design transmits a 4 to 20 mA signal proportional to flow rate. Models can accurately measure flow in both directions and can be mounted in any orientation. Model SF11 has a clear polycarbonate viewing cover for visible indication of flow. Units feature LED power indication, adjustable zero and span, polarity protection and over current limiting.

<table>
<thead>
<tr>
<th>Model</th>
<th>Cover Material</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF10</td>
<td>316 SS</td>
<td>$579.00</td>
</tr>
<tr>
<td>SF11</td>
<td>Clear Polycarbonate</td>
<td>$793.00</td>
</tr>
</tbody>
</table>

**OPTION**

For NIST traceable calibration certificate, use order code NISTCAL-FT1 $210.00

**APPLICATIONS**

Ideal for measuring flow rates in cooling and lubrication circuits, HVAC systems, aggressive chemical metering, and batching systems.

**SPECIFICATIONS**

- **Service:** Compatible liquids
- **Wetted Materials:** 316 SS shaft and case, Iglide® bearings, Buna-N seal and acetal copolymer, (polycarbonate cover on Model SF11).
- **Flow Range:** 0.5 to 15 GPM (2 to 60 LPM).
- **Accuracy:** ±2% FS.
- **Repeatability:** 0.5% full scale.
- **Temperature Limits:** 20 to 225°F (-7 to 107°C).
- **Pressure Limits:** 500 psig (34 bar) @ 200 psig (13.8 bar) @ 2 seconds to 90% (step change in flow rate).
- **Supply Voltage:** 12 to 35 VDC.
- **Output:** 4 to 20 mA.
- **Loop Resistance:** 1150 Ω max.
- **Processing Connection:** 1/2” female NPT.
- **Electrical Connection:** Wire leads: 22 AWG x 9” (2.7 m).
- **Max. Particle Size:** 100µm.
- **Agency Approvals:** CE.

Iglide® is a registered trademark of Igus GMBH

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Series SF2 Sight Flow Meters combine visual confirmation of flow with a relay or pulse output. The brass, unibody construction, one piece composite rotor, and ceramic shaft delivers durability with broader chemical, temperature, and pressure capabilities. For specific flow setpoint switching, select SF2-1 meters with a SPDT relay output. Setpoints are fully adjustable over the specified flow range. The dynamic operation of the rotor guards against jamming and false actuation. For flow rate monitoring or metering applications, select SF2-2 meters with a pulse output proportional to the rate of flow. The 4.3 to 24 VDC pulse output is compatible with most digital logic families.

<table>
<thead>
<tr>
<th>Model</th>
<th>SPDT Relay Output</th>
<th>Power</th>
<th>Connection</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF2-104</td>
<td>0.5 to 5.0</td>
<td>24 VDC</td>
<td>1/4” female NPT</td>
<td>$315.00</td>
</tr>
<tr>
<td>SF2-101</td>
<td>0.5 to 5.0</td>
<td>110 VAC</td>
<td>1/4” female NPT</td>
<td>$347.00</td>
</tr>
<tr>
<td>SF2-114</td>
<td>4.0 to 20.0</td>
<td>24 VDC</td>
<td>1/2” female NPT</td>
<td>$315.00</td>
</tr>
<tr>
<td>SF2-111</td>
<td>4.0 to 20.0</td>
<td>110 VAC</td>
<td>1/2” female NPT</td>
<td>$347.00</td>
</tr>
<tr>
<td>SF2-124</td>
<td>5.0 to 30.0</td>
<td>24 VDC</td>
<td>3/4” female NPT</td>
<td>$315.00</td>
</tr>
<tr>
<td>SF2-121</td>
<td>5.0 to 30.0</td>
<td>110 VAC</td>
<td>3/4” female NPT</td>
<td>$347.00</td>
</tr>
<tr>
<td>SF2-134</td>
<td>8.0 to 60.0</td>
<td>24 VDC</td>
<td>1” female NPT</td>
<td>$315.00</td>
</tr>
<tr>
<td>SF2-131</td>
<td>8.0 to 60.0</td>
<td>110 VAC</td>
<td>1” female NPT</td>
<td>$347.00</td>
</tr>
</tbody>
</table>

**Pulsed Output**

<table>
<thead>
<tr>
<th>Model</th>
<th>SPDT Relay Output</th>
<th>Power</th>
<th>Connection</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF2-204</td>
<td>0.5 to 5.0</td>
<td>4.3 to 24 VDC</td>
<td>1/4” female NPT</td>
<td>$224.00</td>
</tr>
<tr>
<td>SF2-214</td>
<td>4.0 to 20.0</td>
<td>4.3 to 24 VDC</td>
<td>1/2” female NPT</td>
<td>$224.00</td>
</tr>
<tr>
<td>SF2-224</td>
<td>5.0 to 30.0</td>
<td>4.3 to 24 VDC</td>
<td>3/4” female NPT</td>
<td>$224.00</td>
</tr>
<tr>
<td>SF2-234</td>
<td>8.0 to 60.0</td>
<td>4.3 to 24 VDC</td>
<td>1” female NPT</td>
<td>$224.00</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Service:** Liquids compatible with wetted parts.
- **Wetted Materials:** Brass body, ceramic pin, PPS rotor, Polysulfone lens and fluoroelastomer O-ring.
- **Accuracy:** Relay output: ±5%; Pulsed output: ±7% for ranges up to 5.0 GPM, ±15% for ranges up to 60.0 GPM.
- **Temperature Limits:** -20 to 212°F (-29 to 100°C).
- **Pressure Limit:** 200 psig (13.8 bar) @ 70°F.
- **Output:** SPDT: 1 Amp, 24 VDC resistive, 0.3 Amp, 110 VAC or 4.5 VDC to 24 VDC pulse depending on model.
- **Electrical Connections:** Relay output models: 20AWG PVC-jacketed, 24” cable; Pulsed output models: 22AWG PVC-jacketed, 24” cable.
- **Process Connections:** See table.
- **Setpoint Differential:** 15% max for relay output models.
- **Agency Approvals:** CE.

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